

NEWS EXPRESS JANUARY 03 CURRENT VERSION FOR WINDOWS IS V8.01,
CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
V8.0 USERS CAN OBTAIN THE UPGRADE TO V8.01 AT
<http://download.cas.org/express/v8.0-Discover/>

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:58:45 ON 27 JAN 2006

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'REGISTRY' ENTERED AT 10:59:49 ON 27 JAN 2006

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STRUCTURE FILE UPDATES: 25 JAN 2006 HIGHEST RN 872674-04-9

DICTIONARY FILE UPDATES: 25 JAN 2006 HIGHEST RN 872674-04-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

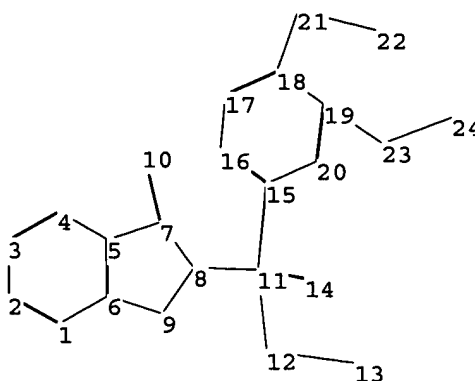
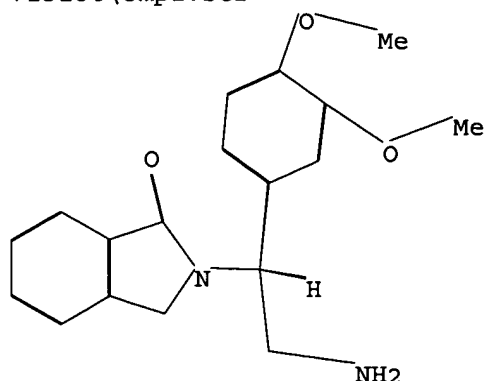
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Documents and Settings\mgraffeo\My Documents\Critical Data\10715184\cmp1.str



chain nodes :

10 11 12 13 14 21 22 23 24

ring nodes :

1 2 3 4 5 6 7 8 9 15 16 17 18 19 20

chain bonds :

7-10 8-11 11-12 11-14 11-15 12-13 18-21 19-23 21-22 23-24

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 15-16 15-20 16-17 17-18 18-19 19-20

exact/norm bonds :

5-7 6-9 7-8 7-10 8-9 8-11 12-13 18-21 19-23

exact bonds :

11-12 11-14 11-15 21-22 23-24

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 15-16 15-20 16-17 17-18 18-19 19-20

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:Atom 21:CLASS 22:CLASS 23:CLASS 24:CLASS

Stereo Bonds:

14-11 (Single Hash).

15-11 (Single Wedge).

Stereo Chiral Centers:

11 (Parity=Don't Care)

Stereo RSS Sets:

Type=Relative (Default). 1 Nodes= 11

L1 STRUCTURE UPLOADED

=> s l1

SAMPLE SEARCH INITIATED 11:00:16 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 69 TO ITERATE

100.0% PROCESSED 69 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 882 TO 1878
PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> s l2 full

FULL SEARCH INITIATED 11:00:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 1538 TO ITERATE

100.0% PROCESSED 1538 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L3 0 SEA SSS FUL L1

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.36

FILE 'CAPLUS' ENTERED AT 11:00:27 ON 27 JAN 2006
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FILE COVERS 1907 - 27 Jan 2006 VOL 144 ISS 6
FILE LAST UPDATED: 26 Jan 2006 (20060126/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply. They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s l3

L4 0 L3

=> s us2004-0167199/pn

L5 1 US2004-0167199/PN
(US2004167199/PN)

=> sel rn

E1 THROUGH E27 ASSIGNED

=> file reg

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	2.49	169.85

FILE 'REGISTRY' ENTERED AT 11:01:13 ON 27 JAN 2006
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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STRUCTURE FILE UPDATES: 25 JAN 2006 HIGHEST RN 872674-04-9
DICTIONARY FILE UPDATES: 25 JAN 2006 HIGHEST RN 872674-04-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when conducting SmartSELECT searches.

```
*****
*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*
*****
```

Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=> s e1-e27

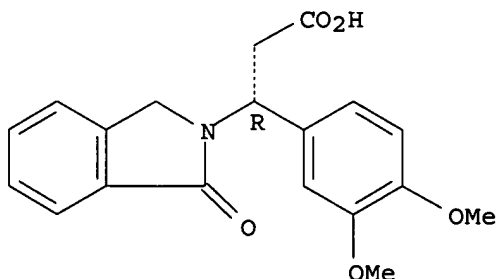
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1 120-14-9/BI
  (120-14-9/RN)
1 120-73-0/BI
  (120-73-0/RN)
1 13010-20-3/BI
  (13010-20-3/RN)
1 13452-77-2/BI
  (13452-77-2/RN)
1 15056-34-5/BI
  (15056-34-5/RN)
1 151-56-4/BI
  (151-56-4/RN)
1 155215-87-5/BI
  (155215-87-5/RN)
1 167886-75-1/BI
  (167886-75-1/RN)
1 167886-76-2/BI
  (167886-76-2/RN)
1 167886-83-1/BI
  (167886-83-1/RN)
1 167887-40-3/BI
  (167887-40-3/RN)
1 2018-61-3/BI
  (2018-61-3/RN)
1 289-95-2/BI
  (289-95-2/RN)
1 34841-03-7/BI
  (34841-03-7/RN)
1 34841-09-3/BI
  (34841-09-3/RN)
1 4375-07-9/BI
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(4375-07-9/RN)
 1 54503-20-7/BI
 (54503-20-7/RN)
 1 55-86-7/BI
 (55-86-7/RN)
 1 59-30-3/BI
 (59-30-3/RN)
 1 643-79-8/BI
 (643-79-8/RN)
 1 682359-77-9/BI
 (682359-77-9/RN)
 1 713513-02-1/BI
 (713513-02-1/RN)
 1 713513-03-2/BI
 (713513-03-2/RN)
 1 713513-04-3/BI
 (713513-04-3/RN)
 1 80449-01-0/BI
 (80449-01-0/RN)
 1 9031-44-1/BI
 (9031-44-1/RN)
 1 9036-21-9/BI
 (9036-21-9/RN)
 L6 27 (120-14-9/BI OR 120-73-0/BI OR 13010-20-3/BI OR 13452-77-2/BI
 OR 15056-34-5/BI OR 151-56-4/BI OR 155215-87-5/BI OR 167886-75-1
 /BI OR 167886-76-2/BI OR 167886-83-1/BI OR 167887-40-3/BI OR
 2018-61-3/BI OR 289-95-2/BI OR 34841-03-7/BI OR 34841-09-3/BI
 OR 4375-07-9/BI OR 54503-20-7/BI OR 55-86-7/BI OR 59-30-3/BI OR
 643-79-8/BI OR 682359-77-9/BI OR 713513-02-1/BI OR 713513-03-2/B
 I OR 713513-04-3/BI OR 80449-01-0/BI OR 9031-44-1/BI OR 9036-21-
 9/BI)

=> d 1-27

L6 ANSWER 1 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 713513-04-3 REGISTRY
 ED Entered STN: 21 Jul 2004
 CN 2H-Isoindole-2-propanoic acid, β -(3,4-dimethoxyphenyl)-1,3-dihydro-1-
 oxo-, (BR) - (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C19 H19 N O5
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

Absolute stereochemistry.



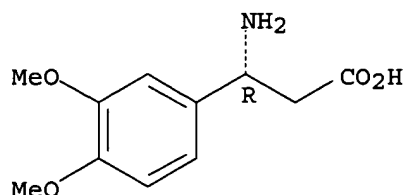
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 2 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN

RN 713513-03-2 REGISTRY
 ED Entered STN: 21 Jul 2004
 CN Benzenepropanoic acid, β -amino-3,4-dimethoxy-, (β R)- (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C11 H15 N O4
 CI COM
 SR CA
 LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPATFULL

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

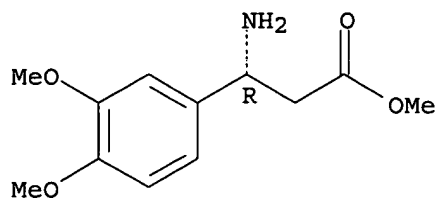
1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 3 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 713513-02-1 REGISTRY
 ED Entered STN: 21 Jul 2004
 CN L-Phenylalanine, N-acetyl-, compd. with (β R)-methyl β -amino-3,4-dimethoxybenzenepropanoate (1:1) (9CI) (CA INDEX NAME)
 FS STEREOSEARCH
 MF C12 H17 N O4 . C11 H13 N O3
 SR CA
 LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

CM 1

CRN 167886-83-1
 CMF C12 H17 N O4

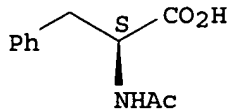
Absolute stereochemistry.



CM 2

CRN 2018-61-3
 CMF C11 H13 N O3

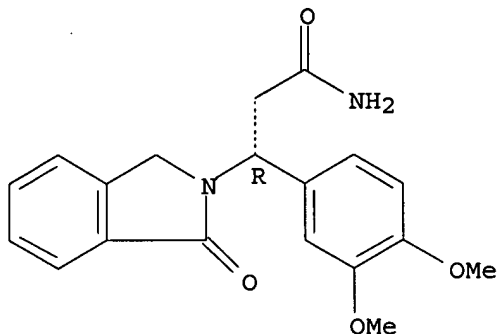
Absolute stereochemistry. Rotation (+).



1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L6 ANSWER 4 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 682359-77-9 REGISTRY
ED Entered STN: 17 May 2004
CN 2H-Isoindole-2-propanamide,  $\beta$ -(3,4-dimethoxyphenyl)-1,3-dihydro-1-oxo-
, ( $\beta$ R)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C19 H20 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL
```

Absolute stereochemistry. Rotation (-).



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

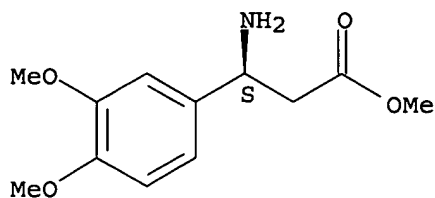
3 REFERENCES IN FILE CA (1907 TO DATE)
3 REFERENCES IN FILE CAPLUS (1907 TO DATE)

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L6 ANSWER 5 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 167887-40-3 REGISTRY
ED Entered STN: 20 Sep 1995
CN Benzenepropanoic acid,  $\beta$ -amino-3,4-dimethoxy-, methyl ester,
  ( $\beta$ S)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenepropanoic acid,  $\beta$ -amino-3,4-dimethoxy-, methyl ester, (S)-
OTHER NAMES:
CN Methyl (S)-3-amino-3-(3,4-dimethoxyphenyl)propionate
FS STEREOSEARCH
MF C12 H17 N O4
CI COM
SR CA
LC STN Files: CA, CAPLUS, CASREACT, TOXCENTER, USPAT2, USPATFULL

```

Absolute stereochemistry. Rotation (-).

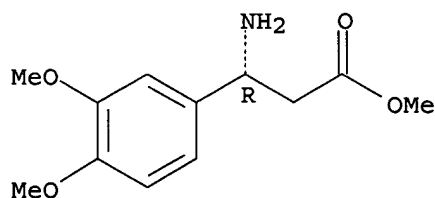


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

12 REFERENCES IN FILE CA (1907 TO DATE)
12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 6 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 167886-83-1 REGISTRY
ED Entered STN: 20 Sep 1995
CN Benzenepropanoic acid, β -amino-3,4-dimethoxy-, methyl ester,
(β R) - (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Benzenepropanoic acid, β -amino-3,4-dimethoxy-, methyl ester, (R) -
FS STEREOSEARCH
MF C12 H17 N O4
CI COM
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL

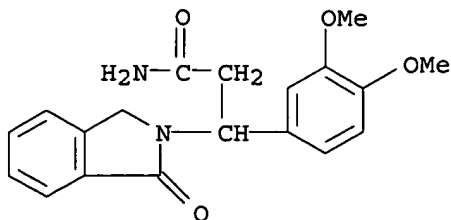
Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4 REFERENCES IN FILE CA (1907 TO DATE)
4 REFERENCES IN FILE CAPLUS (1907 TO DATE)

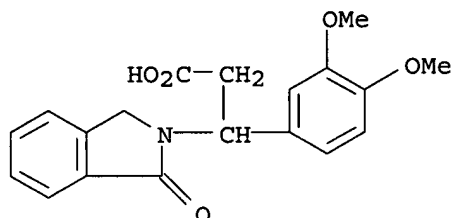
L6 ANSWER 7 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 167886-76-2 REGISTRY
ED Entered STN: 20 Sep 1995
CN 2H-Isoindole-2-propanamide, β -(3,4-dimethoxyphenyl)-1,3-dihydro-1-oxo-
(9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C19 H20 N2 O4
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

20 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 20 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 8 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 167886-75-1 REGISTRY
 ED Entered STN: 20 Sep 1995
 CN 2H-Isoindole-2-propanoic acid, β -(3,4-dimethoxyphenyl)-1,3-dihydro-1-oxo- (9CI) (CA INDEX NAME)
 FS 3D CONCORD
 MF C19 H19 N O5
 SR CA
 LC STN Files: CA, CAPLUS, CHEMCATS, TOXCENTER, USPAT2, USPATFULL



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

9 REFERENCES IN FILE CA (1907 TO DATE)
 9 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 9 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 155215-87-5 REGISTRY
 ED Entered STN: 20 May 1994
 CN Kinase (phosphorylating), gene c-jun protein N-terminal (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN c-Jun amino-terminal kinase
 CN c-Jun amino-terminal protein kinase
 CN c-Jun kinase
 CN c-Jun N-terminal kinase
 CN c-Jun N-terminal protein kinase
 CN c-Jun protein N-terminal kinase
 CN Gene c-jun protein kinase
 CN JNK
 CN JNK kinase
 CN JNK protein kinase
 CN Jun kinase
 CN JUN N-terminal kinase
 CN Jun NH2-terminal kinase
 CN Jun-NH2 kinase

CN Protein kinase JNK
 CN Protein kinase sapk1
 CN Protein kinase SAPK1γ
 CN SAP kinase
 CN SAPKγ kinase
 CN SAPK/JNK kinase
 CN Stress-activated protein kinase
 CN Stress-activated protein kinase-γ
 DR 177893-53-7, 143180-76-1
 MF Unspecified
 CI MAN
 SR CA
 LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CIN,
 EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

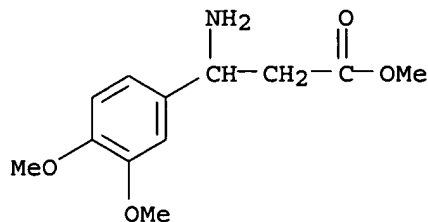
6496 REFERENCES IN FILE CA (1907 TO DATE)
 101 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 6533 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 10 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 80449-01-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Isomerase, deoxyribonucleate topo- (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Deoxyribonucleate topoisomerase
 CN Deoxyribonucleic topoisomerase
 CN DNA topoisomerase
 CN E.C. 5.99.1.2
 CN Topoisomerase
 MF Unspecified
 CI MAN
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,
 CHEMCATS, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

2719 REFERENCES IN FILE CA (1907 TO DATE)
 38 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 2723 REFERENCES IN FILE CAPLUS (1907 TO DATE)

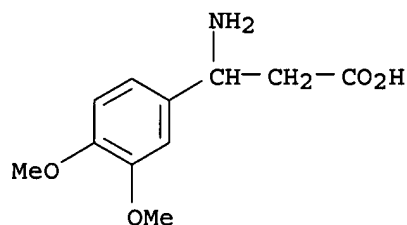
L6 ANSWER 11 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 54503-20-7 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Benzenepropanoic acid, β-amino-3,4-dimethoxy-, methyl ester (9CI)
 (CA INDEX NAME)
 FS 3D CONCORD
 MF C12 H17 N O4
 CI COM
 LC STN Files: BEILSTEIN*, CA, CAPLUS, TOXCENTER, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

6 REFERENCES IN FILE CA (1907 TO DATE)
6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

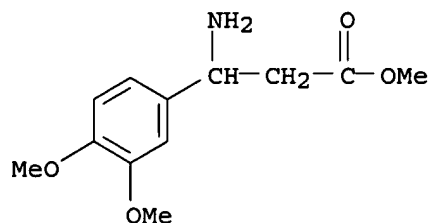
L6 ANSWER 12 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 34841-09-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzenepropanoic acid, β -amino-3,4-dimethoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Hydrocinnamic acid, β -amino-3,4-dimethoxy- (6CI)
OTHER NAMES:
CN β -Amino-3,4-dimethoxyhydrocinnamic acid
CN 3-Amino-3-(3,4-dimethoxyphenyl)propionic acid
FS 3D CONCORD
DR 54160-62-2
MF C11 H15 N O4
CI COM
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, TOXCENTER,
USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

25 REFERENCES IN FILE CA (1907 TO DATE)
25 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 13 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 34841-03-7 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzenepropanoic acid, β -amino-3,4-dimethoxy-, methyl ester, hydrochloride (9CI) (CA INDEX NAME)
OTHER NAMES:
CN Hydrocinnamic acid, β -amino-3,4-dimethoxy-, hydrochloride
MF C12 H17 N O4 . Cl H
LC STN Files: CA, CAPLUS, TOXCENTER, USPAT2, USPATFULL
CRN (54503-20-7)

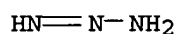


● HCl

12 REFERENCES IN FILE CA (1907 TO DATE)

12 REFERENCES IN FILE CAPLUS (1907 TO DATE)

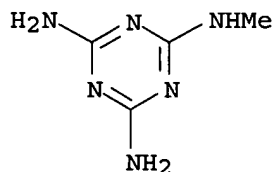
L6 ANSWER 14 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 15056-34-5 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1-Triazene (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Triazene (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN Triazene (N3H3)
 FS 3D CONCORD
 MF H3 N3
 CI COM
 LC STN Files: AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CIN,
 DIOGENES, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, NIOSHTIC, PIRA,
 RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

468 REFERENCES IN FILE CA (1907 TO DATE)
 165 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 468 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 15 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 13452-77-2 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1,3,5-Triazine-2,4,6-triamine, N-methyl- (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Melamine, methyl- (6CI, 7CI, 8CI)
 OTHER NAMES:
 CN 2,4-Diamino-6-(methylamino)-s-triazine
 CN 2,4-Diamino-6-methylamino-1,3,5-triazine
 CN ENT 50993
 CN Methylmelamine
 CN Monomethylmelamine
 CN N-Methylmelamine
 CN N2-Methylmelamine
 FS 3D CONCORD
 MF C4 H8 N6
 CI COM
 LC STN Files: BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, IFICDB,
 IFIPAT, IFIUDB, IPA, PROMT, RTECS*, TOXCENTER, USPAT2, USPATFULL
 (*File contains numerically searchable property data)

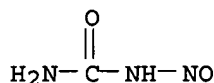


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

64 REFERENCES IN FILE CA (1907 TO DATE)
 17 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA

65 REFERENCES IN FILE CAPLUS (1907 TO DATE)
3 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 16 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 13010-20-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN Urea, nitroso- (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN N-Nitrosourea
CN Nitrosourea
CN Nitrosurea
FS 3D CONCORD
MF C H3 N3 O2
CI COM
LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT,
CIN, DDFU, DRUGU, EMBASE, GMELIN*, IPA, NIOSHTIC, PROMT, TOXCENTER,
USPAT2, USPATFULL
(*File contains numerically searchable property data)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

558 REFERENCES IN FILE CA (1907 TO DATE)
398 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
560 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 17 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 9036-21-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Phosphodiesterase, adenosine cyclic 3',5'-phosphate (9CI) (CA INDEX NAME)
OTHER NAMES:
CN 3',5'-Adenyl phosphodiesterase
CN 3',5'-AMP phosphodiesterase
CN 3',5'-Cyclic AMP phosphodiesterase
CN Adenosine 3',5'-monophosphate phosphodiesterase
CN Adenosine 3',5'-monophosphate phosphohydrolase
CN Adenosine 3',5'-phosphate phosphodiesterase
CN Adenosine cyclic 3',5'-monophosphate phosphodiesterase
CN Adenosine cyclic 3',5'-phosphate phosphodiesterase
CN AMP cyclic phosphodiesterase
CN Calcium-calmodulin-independent cAMP phosphodiesterase
CN Calmodulin-dependent cAMP phosphodiesterase
CN CAMP phosphodiesterase
CN cAMP-specific phosphodiesterase
CN cGMP-inhibited cyclic nucleotide phosphodiesterase
CN cGMP-inhibited phosphodiesterase
CN Cyclic 3,5'-adenosine monophosphate phosphodiesterase
CN Cyclic adenosine 3',5'-phosphate phosphodiesterase
CN Cyclic adenosine monophosphate phosphodiesterase
CN Cyclic adenosine-3',5'-monophosphate phosphodiesterase
CN Cyclic adenylate phosphodiesterase
CN Cyclic AMP diesterase
CN Cyclic AMP phosphodiesterase
CN Cyclic AMP-dependent phosphodiesterase
CN Cyclic GMP-inhibited phosphodiesterase
CN Cyclic nucleotide phosphodiesterase
CN Cyclic nucleotide phosphodiesterase 4
CN Cyclic nucleotide phosphodiesterase 4D
CN Heme-regulated phosphodiesterase

CN PDE III
 CN PDE IV
 CN PDE3
 CN PDE4
 CN PDE7
 CN PDE8
 CN Phosphodiesterase 3
 CN Phosphodiesterase 3B
 CN Phosphodiesterase 4
 CN Phosphodiesterase 4A
 CN Phosphodiesterase 4B
 CN Phosphodiesterase 7
 CN Phosphodiesterase 8
 CN Phosphodiesterase cAMP
 CN Phosphodiesterase III
 CN Phosphodiesterase IV
 CN Phosphodiesterase PDE8A
 CN Phosphodiesterase type 4
 CN Phosphodiesterase VII
 CN Phosphodiesterase VIII
 CN Rolipram-sensitive cAMP-specific phosphodiesterase
 CN Type III Phosphodiesterase
 MF Unspecified
 CI MAN
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BIOSIS, BIOTECHNO, CA, CAPLUS,
 CASREACT, CIN, EMBASE, IFICDB, IFIPAT, IFIUDB, PROMT, TOXCENTER, USPAT2,
 USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

6076 REFERENCES IN FILE CA (1907 TO DATE)
 23 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 6090 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 18 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 9031-44-1 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Kinase (phosphorylating) (9CI) (CA INDEX NAME)
 OTHER NAMES:
 CN Kinase
 CN Phosphoferase
 CN Phosphokinase
 CN Phosphopherase
 DR 9038-17-9
 MF Unspecified
 CI MAN
 LC STN Files: ADISNEWS, AGRICOLA, BIOSIS, BIOTECHNO, CA, CAPLUS, CASREACT,
 CHEMCATS, CIN, EMBASE, PROMT, TOXCENTER, USPAT2, USPATFULL

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1122 REFERENCES IN FILE CA (1907 TO DATE)
 18 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 1128 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L6 ANSWER 19 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 4375-07-9 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN Furo[3',4':6,7]naphtho[2,3-d]-1,3-dioxol-6(5aH)-one, 5,8,8a,9-tetrahydro-9-hydroxy-5-(3,4,5-trimethoxyphenyl)-, (5R,5aR,8aR,9S) - (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Epipodophyllotoxin (6CI, 8CI)
 CN Furo[3',4':6,7]naphtho[2,3-d]-1,3-dioxol-6(5aH)-one, 5,8,8a,9-tetrahydro-9-

hydroxy-5-(3,4,5-trimethoxyphenyl)-, [5R-(5 α ,5 β ,8 α ,9 β)-

OTHER NAMES:

CN (-)-Epipodophyllotoxin

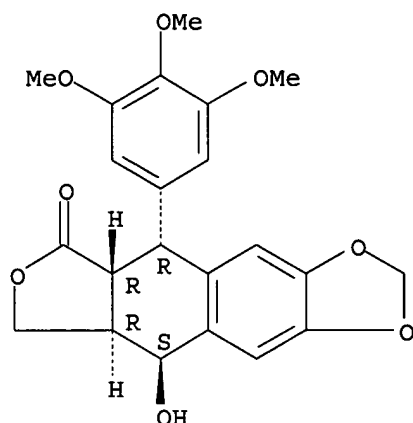
FS STEREOSEARCH

MF C22 H22 O8

CI COM

LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO,
CA, CAOLD, CAPLUS, CASREACT, CHEMINFORMRX, DDFU, DRUGU, EMBASE, IPA,
NAPRALERT, RTECS*, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)

Absolute stereochemistry.



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

313 REFERENCES IN FILE CA (1907 TO DATE)
67 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
315 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 20 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN

RN 2018-61-3 REGISTRY

ED Entered STN: 16 Nov 1984

CN L-Phenylalanine, N-acetyl- (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Alanine, N-acetyl-3-phenyl-, L- (6CI, 7CI, 8CI)

OTHER NAMES:

CN (+)-N-Acetyl-L-phenylalanine

CN (+)-N-Acetylphenylalanine

CN (S)-2-(Acetylamino)-3-phenylpropanoic acid

CN Acetyl-L-phenylalanine

CN Acetylphenylalanine

CN L-(+)-N-Acetylphenylalanine

CN L-N-Acetylphenylalanine

CN N-Acetyl-(S)-phenylalanine

CN N-Acetyl-L-phenylalanine

CN N-Acetylphenylalanine

CN NAF

CN NSC 45699

FS STEREOSEARCH

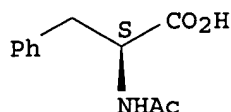
MF C11 H13 N O3

CI COM

LC STN Files: AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS,
CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU,

GMELIN*, IFICDB, IFIPAT, IFIUDB, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)

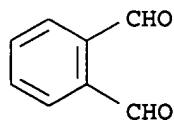
Absolute stereochemistry. Rotation (+).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

979 REFERENCES IN FILE CA (1907 TO DATE)
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981 REFERENCES IN FILE CAPLUS (1907 TO DATE)
26 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

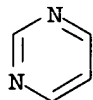
L6 ANSWER 21 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 643-79-8 REGISTRY
ED Entered STN: 16 Nov 1984
CN 1,2-Benzenedicarboxaldehyde (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Phthalaldehyde (6CI, 8CI)
OTHER NAMES:
CN 1,2-Diformylbenzene
CN 1,2-Phthalaldehyde
CN 2-Formylbenzaldehyde
CN Benzene-1,2-dicarbaldehyde
CN CIDEX OPA
CN NSC 13394
CN o-Benzenedicarbaldehyde
CN o-Diformylbenzene
CN o-Phthalaldehyde
CN o-Phthaldialdehyde
CN o-Phthalic dialdehyde
CN OP 100S
CN OP 100SF
CN Phthalic aldehyde
CN Phthalic dialdehyde
CN Phthalylldicarboxaldehyde
CN Phtharal
FS 3D CONCORD
MF C8 H6 O2
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CIN, CSCHEM, CSNB, DETHERM*, DIOGENES, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MSDS-OHS, NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

2367 REFERENCES IN FILE CA (1907 TO DATE)
124 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
2375 REFERENCES IN FILE CAPLUS (1907 TO DATE)
32 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 22 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN **289-95-2** REGISTRY
ED Entered STN: 16 Nov 1984
CN Pyrimidine (8CI, 9CI) (CA INDEX NAME)
OTHER NAMES:
CN 1,3-Diazabenzene
CN 1,3-Diazine
CN m-Diazine
CN Metadiazine
CN Miazine
CN NSC 89305
FS 3D CONCORD
MF C4 H4 N2
CI COM, RPS
LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX,
CHEMLIST, CIN, CSCHM, DETHERM*, DIPPR*, EMBASE, GMELIN*, IFICDB,
IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PIRA, PROMT,
RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: EINECS**, NDSL**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



****PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT****

7596 REFERENCES IN FILE CA (1907 TO DATE)
2903 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
7607 REFERENCES IN FILE CAPLUS (1907 TO DATE)
4 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 23 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN **151-56-4** REGISTRY
ED Entered STN: 16 Nov 1984
CN Aziridine (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Ethylenimine (8CI)
OTHER NAMES:
CN Azacyclopropane
CN Aziran
CN Binary Ethyleneimine
CN Dimethylenimine
CN EI
CN Ethyleneimine
CN Fast MEG
CN Q 043
CN Q 043 (amine)
CN Soluol XC 100
FS 3D CONCORD

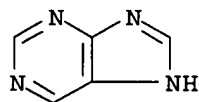
DR 99932-76-0
 MF C2 H5 N
 CI COM, RPS
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMINFORMRX, CHEMLIST, CHEMSAFE, CIN, CSCHEM, CSNB, DETHERM*, DIPPR*, EMBASE, GMELIN*, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE, MRCK*, MSDS-OHS, NIOSHTIC, PDLCOM*, PIRA, PROMT, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, TULSA, ULIDAT, USPAT2, USPATFULL, VETU, VTB
 (*File contains numerically searchable property data)
 Other Sources: EINECS**, NDSL**, TSCA**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

5187 REFERENCES IN FILE CA (1907 TO DATE)
 963 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 5192 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 29 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

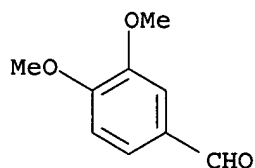
L6 ANSWER 24 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 120-73-0 REGISTRY
 ED Entered STN: 16 Nov 1984
 CN 1H-Purine (9CI) (CA INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Purine (6CI, 8CI)
 OTHER NAMES:
 CN β -Purine
 CN 3,5,7-Triazaindole
 CN 6H-Imidazo[4,5-d]pyrimidine
 CN 7H-Purine
 CN 9H-Purine
 CN Isopurine
 CN NSC 753
 FS 3D CONCORD
 DR 273-25-6, 273-26-7, 111055-93-7
 MF C5 H4 N4
 CI COM, RPS
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN, CSCHEM, DETHERM*, EMBASE, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, NAPRALERT, NIOSHTIC, PIRA, PROMT, RTECS*, SPECINFO, TOXCENTER, TULSA, USPAT2, USPATFULL
 (*File contains numerically searchable property data)
 Other Sources: EINECS**
 (**Enter CHEMLIST File for up-to-date regulatory information)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

8059 REFERENCES IN FILE CA (1907 TO DATE)
3528 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
8065 REFERENCES IN FILE CAPLUS (1907 TO DATE)
74 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 25 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 120-14-9 REGISTRY
ED Entered STN: 16 Nov 1984
CN Benzaldehyde, 3,4-dimethoxy- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Veratraldehyde (7CI, 8CI)
OTHER NAMES:
CN 3,4-Dimethoxybenzaldehyde
CN 3,4-Dimethoxybenzenecarbonal
CN 4-O-Methylvanillin
CN Methylvanillin
CN NSC 24521
CN NSC 8500
CN Protocatechualdehyde dimethyl ether
CN Protocatechuic aldehyde dimethyl ether
CN Vanillin methyl ether
CN Veratral
CN Veratric aldehyde
CN Veratrum aldehyde
CN Veratryl aldehyde
FS 3D CONCORD
MF C9 H10 O3
CI COM
LC STN Files: AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMINFORMRX, CHEMLIST, CSCHEM, DDFU, DRUGU, GMELIN*, IFICDB, IFIPAT, IFIUDB, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT, NIOSHTIC, PIRA, PS, RTECS*, SPECINFO, SYNTHLINE, TOXCENTER, ULIDAT, USPAT2, USPATFULL
(*File contains numerically searchable property data)
Other Sources: DSL**, EINECS**, TSCA**
(**Enter CHEMLIST File for up-to-date regulatory information)



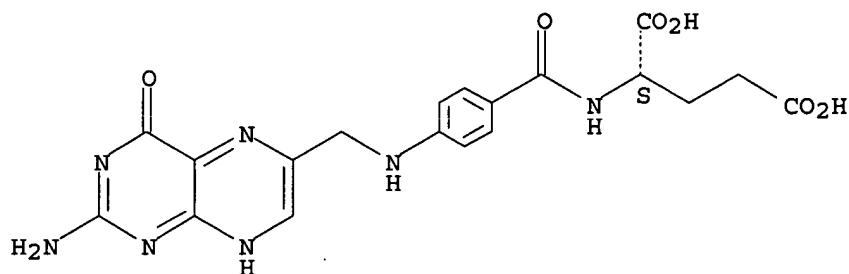
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

4097 REFERENCES IN FILE CA (1907 TO DATE)
16 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
4117 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 26 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
RN 59-30-3 REGISTRY
ED Entered STN: 16 Nov 1984
CN L-Glutamic acid, N-[4-[[[2-amino-1,4-dihydro-4-oxo-6-pteridiny]methyl]amino]benzoyl]- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN Folic acid (8CI)
OTHER NAMES:
CN Acifolic
CN Cytfol

CN Dosfolat B activ
 CN Folacid
 CN Folacin
 CN Folbal
 CN Folcidin
 CN Foldine
 CN Folettes
 CN Foliamin
 CN Folicet
 CN Folipac
 CN Folsan
 CN Folsaure
 CN Folsav
 CN Folvite
 CN Incafolic
 CN Liver Lactobacillus casei factor
 CN Millafol
 CN NSC 3073
 CN PGA
 CN Pteroyl-L-glutamic acid
 CN Pteroyl-L-monoglutamic acid
 CN Pteroylglutamic acid
 CN Pteroylmonoglutamic acid
 CN Vitamin Bc
 CN Vitamin Be
 CN Vitamin M
 FS STEREOSEARCH
 DR 33609-88-0
 MF C19 H19 N7 O6
 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, BEILSTEIN*, BIOSIS, BIOTECHNO,
 CA, CABA, CAOLD, CAPLUS, CASREACT, CBNB, CHEMCATS, CHEMLIST, CIN,
 CSCHM, CSNB, DDFU, DIOGENES, DRUGU, EMBASE, GMELIN*, HSDB*, IFICDB,
 IFIPAT, IFIUDB, IMSCOSEARCH, IPA, MEDLINE, MRCK*, MSDS-OHS, NAPRALERT,
 NIOSHTIC, PIRA, PROMT, PS, RTECS*, SPECINFO, TOXCENTER, USAN, USPAT2,
 USPATFULL, VETU
 (*File contains numerically searchable property data)
 Other Sources: DSL**, EINECS**, TSCA**, WHO
 (**Enter CHEMLIST File for up-to-date regulatory information)

Absolute stereochemistry.



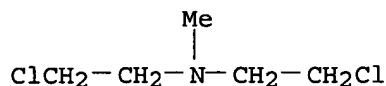
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

15848 REFERENCES IN FILE CA (1907 TO DATE)
 1123 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
 15893 REFERENCES IN FILE CAPLUS (1907 TO DATE)
 9 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

L6 ANSWER 27 OF 27 REGISTRY COPYRIGHT 2006 ACS on STN
 RN 55-86-7 REGISTRY
 ED Entered STN: 16 Nov 1984

CN Ethanamine, 2-chloro-N-(2-chloroethyl)-N-methyl-, hydrochloride (9CI) (CA
 INDEX NAME)
 OTHER CA INDEX NAMES:
 CN Diethylamine, 2,2'-dichloro-N-methyl-, hydrochloride (8CI)
 OTHER NAMES:
 CN 1,5-Dichloro-3-methyl-3-azapentane hydrochloride
 CN 2,2'-Dichloro-N-methyldiethylamine hydrochloride
 CN Antimit
 CN Azotoyperite
 CN Bis(2-chloroethyl)-N-methylamine hydrochloride
 CN Bis(2-chloroethyl)methylamine hydrochloride
 CN C 6866
 CN Caryolysine
 CN Caryolysine hydrochloride
 CN Chloramin
 CN Chloramin hydrochloride
 CN Chloramine
 CN Chlorethamine
 CN Chlormethine hydrochloride
 CN Chlormethinum
 CN Dema
 CN Dichloren
 CN Dichloren hydrochloride
 CN Dichloromethyldiethylamine hydrochloride
 CN Dimitan
 CN Embechine
 CN Embichin
 CN Embichin hydrochloride
 CN Embikhine
 CN Embiquine
 CN Erasol
 CN Erasol hydrochloride
 CN Erasol-Ido
 CN HN2 hydrochloride
 CN Kloramin
 CN MBA hydrochloride
 CN Mechlorethamine hydrochloride
 CN Methylbis(β -chloroethyl)amine hydrochloride
 CN Methylbis(2-chloroethyl)amine hydrochloride
 CN Mitoxine
 CN Mustargen hydrochloride
 CN Mustine hydrochloride
 CN N,N-Bis(2-chloroethyl)methanamine hydrochloride
 CN N-Lost
 CN N-Methyl-N,N-bis(2-chloroethyl)amine hydrochloride
 CN N-Methylbis(2-chloroethyl)amine hydrochloride
 CN NCI C56382
 CN Nitol
 CN Nitol takeda
 CN Nitrogen mustard
 CN Nitrogen mustard (HN 2) hydrochloride
 CN Nitrogen mustard hydrochloride
 CN Nitrogranulogen
 CN Nitrogranulogen hydrochloride
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 CI COM
 LC STN Files: ADISNEWS, AGRICOLA, ANABSTR, AQUIRE, BEILSTEIN*, BIOSIS,
 BIOTECHNO, CA, CAOLD, CAPLUS, CASREACT, CHEMCATS, CHEMLIST, CIN, CSCHM,
 CSNB, DIOGENES, EMBASE, HSDB*, IFICDB, IFIPAT, IFIUDB, IPA, MEDLINE,
 MRCK*, MSDS-OHS, NIOSHTIC, PIRA, PROMT, RTECS*, TOXCENTER, USAN, USPAT2,
 USPATFULL
 (*File contains numerically searchable property data)

Other Sources: EINECS**
(**Enter CHEMLIST File for up-to-date regulatory information)
CRN (51-75-2)



● HCl

PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1393 REFERENCES IN FILE CA (1907 TO DATE)
85 REFERENCES TO NON-SPECIFIC DERIVATIVES IN FILE CA
1396 REFERENCES IN FILE CAPLUS (1907 TO DATE)
17 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

=> file reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

54.38

224.23

FILE 'REGISTRY' ENTERED AT 11:05:10 ON 27 JAN 2006
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STRUCTURE FILE UPDATES: 25 JAN 2006 HIGHEST RN 872674-04-9
DICTIONARY FILE UPDATES: 25 JAN 2006 HIGHEST RN 872674-04-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2005

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

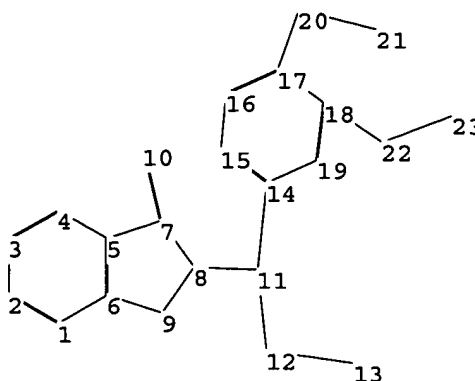
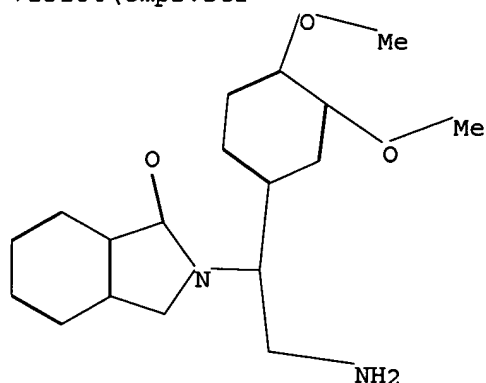
Structure search iteration limits have been increased. See HELP SLIMITS
for details.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

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Uploading C:\Documents and Settings\mgraffeo\My Documents\Critical Data\10715184\cmp2.str



chain nodes :

10 11 12 13 20 21 22 23

ring nodes :

1 2 3 4 5 6 7 8 9 14 15 16 17 18 19

chain bonds :

7-10 8-11 11-12 11-14 12-13 17-20 18-22 20-21 22-23

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6 5-7 6-9 7-8 8-9 14-19 14-15 15-16 16-17 17-18 18-19

exact/norm bonds :

5-7 6-9 7-8 7-10 8-9 8-11 12-13 17-20 18-22

exact bonds :

11-12 11-14 20-21 22-23

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6 14-19 14-15 15-16 16-17 17-18 18-19

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:Atom 15:Atom 16:Atom 17:Atom 18:Atom 19:Atom
20:CLASS 21:CLASS 22:CLASS 23:CLASS

L7 STRUCTURE UPLOADED

=> s 17

SAMPLE SEARCH INITIATED 11:05:24 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 69 TO ITERATE

100.0% PROCESSED 69 ITERATIONS

0 ANSWERS

SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

PROJECTED ITERATIONS: 882 TO 1878

PROJECTED ANSWERS: 0 TO 0

L8 0 SEA SSS SAM L7

=> s 18 full

FULL SEARCH INITIATED 11:05:28 FILE 'REGISTRY'

FULL SCREEN SEARCH COMPLETED - 1538 TO ITERATE

100.0% PROCESSED 1538 ITERATIONS

1 ANSWERS

SEARCH TIME: 00.00.01

L9 1 SEA SSS FUL L7

=> file caplus

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

166.94

391.17

FILE 'CAPLUS' ENTERED AT 11:05:31 ON 27 JAN 2006

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FILE COVERS 1907 - 27 Jan 2006 VOL 144 ISS 6

FILE LAST UPDATED: 26 Jan 2006 (20060126/ED)

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<http://www.cas.org/infopolicy.html>

=> s l9

L10 1 L9

=> d bib abs hitstr

L10 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:1043376 CAPLUS

DN 142:168960

TI On the role of polarizability in QSAR

AU Verma, Rajeshwar P.; Kurup, Alka; Hansch, Corwin

CS Department of Chemistry, Pomona College, Claremont, CA, 91711, USA

SO Bioorganic & Medicinal Chemistry (2004), Volume Date 2005, 13(1), 237-255

CODEN: BMECEP; ISSN: 0968-0896

PB Elsevier Ltd.

DT Journal

LA English

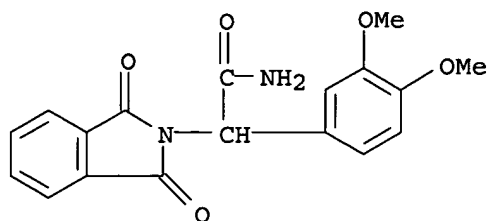
AB The polarizability of a mol., an important phys. property, is currently attracting our attention particularly in the area of QSAR for chemical-biol. interactions. In this report, the polarizability effects on ligand-substrate interactions has been discussed in terms of NVE (number of valence electrons) using additive values for valence electrons and the formulation of a total number of 51 QSAR. The QSAR model can be illustrated by Eq. I. $\log 1/C = a(NVE) \pm \text{constant}$

IT 831219-99-9

RL: PAC (Pharmacological activity); BIOL (Biological study)
(role of polarizability in QSAR)

RN 831219-99-9 CAPLUS

CN 2H-Isoindole-2-acetamide, α -(3,4-dimethoxyphenyl)-1,3-dihydro-1,3-dioxo- (9CI) (CA INDEX NAME)



RE.CNT 54 THERE ARE 54 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s (-)-3-(3,4-dimethoxy-phenyl)-3-(1-oxo1,3-dihydro-isoindol-2-yl)-propionamide
MISSING OPERATOR -)-3-

The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

```
=> s "(-)-3-(3,4-dimethoxy-phenyl)-3-(1-oxo1,3-dihydro-isoindol-2-yl)-propionamide"
6478964 "3"
6478964 "3"
5253089 "4"
41507 "DIMETHOXY"
329396 "PHENYL"
6478964 "3"
8534912 "1"
19 "OXO1"
6478964 "3"
116894 "DIHYDRO"
721 "ISOINDOL"
8619288 "2"
121611 "YL"
6018 "PROPIONAMIDE"
L11 0 "(-)-3-(3,4-DIMETHOXY-PHENYL)-3-(1-OXO1,3-DIHYDRO-ISOINDOL-2-YL)-PROPIONAMIDE"
("3"(W)"3"(W)"4"(W)"DIMETHOXY"(W)"PHENYL"(W)"3"(W)"1"(W)"OXO1"(W)"3"(W)"DIHYDRO"(W)"ISOINDOL"(W)"2"(W)"YL"(W)"PROPIONAMIDE")
```

```
=> s "(3,4-dimethoxy-phenyl)-3-(1-oxo1,3-dihydro-isoindol-2-yl)-propionamide"
6478964 "3"
5253089 "4"
41507 "DIMETHOXY"
329396 "PHENYL"
6478964 "3"
8534912 "1"
19 "OXO1"
6478964 "3"
116894 "DIHYDRO"
721 "ISOINDOL"
8619288 "2"
121611 "YL"
6018 "PROPIONAMIDE"
L12 0 "(3,4-DIMETHOXY-PHENYL)-3-(1-OXO1,3-DIHYDRO-ISOINDOL-2-YL)-PROPI
ONAMIDE"
("3"(W)"4"(W)"DIMETHOXY"(W)"PHENYL"(W)"3"(W)"1"(W)"OXO1"(W)"3"(W)"DIHYDRO"(W)"ISOINDOL"(W)"2"(W)"YL"(W)"PROPIONAMIDE")
```

=> s (3,4-dimethoxy-phenyl) (S) 1-oxo (S) 3-dihydro-isoindol (S) propionamide"
MISMATCHED QUOTE 'OPIONAMIDE'"

Quotation marks (or apostrophes) must be used in pairs,
one before and one after the expression you are setting
off or masking.

```
=> s (3,4-dimethoxy-phenyl) (S) "1-oxo" (S) 3-dihydro-isoindol (S) propionamide
6478964 3
5253089 4
41507 DIMETHOXY
329396 PHENYL
73 3,4-DIMETHOXY-PHENYL
(3 (W) 4 (W) DIMETHOXY (W) PHENYL)
8534912 "1"
148231 "OXO"
10936 "1-OXO"
("1" (W) "OXO")
6478964 3
116894 DIHYDRO
721 ISOINDOL
25 3-DIHYDRO-ISOINDOL
(3 (W) DIHYDRO (W) ISOINDOL)
6018 PROPIONAMIDE
L13 2 (3,4-DIMETHOXY-PHENYL) (S) "1-OXO" (S) 3-DIHYDRO-ISOINDOL (S)
PROPIONAMIDE
```

```
=> d 1-2 bib abs hitstr
```

```
L13 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN
AN 2004:739745 CAPLUS
DN 141:248733
TI Methods of using and compositions comprising selective cytokine inhibitory
drugs for the treatment and management of disorders of the central nervous
system
IN Schafer, Peter H.
PA USA
SO U.S. Pat. Appl. Publ., 28 pp.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 1
```

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 2004175382	A1	20040909	US 2004-794877	20040305
	CA 2517845	AA	20040923	CA 2004-2517845	20040305
	WO 2004080393	A2	20040923	WO 2004-US6782	20040305
	WO 2004080393	A3	20041202		
	W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW			
	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
EP	1605935	A2	20051221	EP 2004-717992	20040305
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK			
WO	2005094218	A2	20051013	WO 2004-US28742	20040903
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	RW:	BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE,			

SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,
SN, TD, TG

PRAI US 2003-452374P P 20030306
US 2004-794877 A 20040305
WO 2004-US6782 W 20040305

OS MARPAT 141:248733

AB Methods of treating, preventing and/or managing central nervous system disorders, such as Parkinson disease, Alzheimer disease, mild cognitive impairment, Huntington disease, Amyotrophic Lateral Sclerosis, depression and defective long-term memory, and related syndromes are disclosed. Specific methods encompass the administration of a selective cytokine inhibitory drug, or a pharmaceutically acceptable salt, solvate, hydrate, stereoisomer, clathrate, or prodrug thereof, alone or in combination with a second active ingredient. Pharmaceutical compns., single unit dosage forms, and kits suitable for use in methods of the invention are also disclosed. The effect of 3-(3,4-dimethoxy-phenyl)-3-(1-oxo-1,3-dihydro-isoindol-2-yl)-propionamide on TNF- α production in LPS-induced human peripheral blood mononuclear cells (PBMC) was examined

L13 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2006 ACS on STN

AN 2004:531300 CAPLUS

DN 141:94292

TI Methods of using and compositions comprising (-)-3-(3,4-dimethoxy-phenyl)-3-(1-oxo-1,3-dihydro-isoindol-2-yl)-propionamide

IN Muller, George W.; Chen, Roger Shen-chu

PA Celgene Corporation, USA

SO PCT Int. Appl., 56 pp.

CODEN: PIXXD2

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2004054501	A2	20040701	WO 2003-US36741	20031117
	WO 2004054501	A3	20040826		
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	RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
	CA 2506442	AA	20040701	CA 2003-2506442	20031117
	US 2004167199	A1	20040826	US 2003-715184	20031117
	EP 1569599	A2	20050907	EP 2003-789795	20031117
	R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK			
	BR 2003016256	A	20051004	BR 2003-16256	20031117
PRAI	US 2002-427380P	P	20021118		
	WO 2003-US36741	W	20031117		
AB	Enantiomerically pure (-)-3-(3,4-dimethoxy-phenyl)-3-(1-oxo-1,3-dihydro-isoindol-2-yl)-propionamide (I), prodrugs, metabolites, polymorphs, salts, solvates, and clathrates thereof are described. Methods of treating and/or preventing various diseases and disorders, such as those ameliorated by the reduction of levels of TNF- α or the inhibition of phosphodiesterase 4 (PDE4), are also disclosed. For example, I gave an TNF- α IC50 of 3 μ M and 16 μ M in LPS- and IL1 β -induced production of TNF- α , resp.,. Also, I showed selectivity for human PDE4 with IC50 of 4.4 μ M.				

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=> LOG Y

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	ENTRY	SESSION
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

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